



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06F12/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 GOOF

EPO-Internal

Documentation searched other than wingroum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search traine of data base and, where practical, search forms used:

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	HASHIMOTO T ET AL: "A 90 MM MPEG-4 VIDEO CODEC LSI WITH THE CAPABILITY FOR CORE PROFILE" IFICE TRANSACTIONS ON ELECTRONICS, INSTITUTE OF ELECTRONICS INFORMATION AND COMM. ENG. TOKYO, JP, vol. E86-C, no. 7, July 2003 (2003-07), pages 1374-1384, XP001172046 ISSN: 0916-8524	1-18
	abstract paragraphs '0001! - '2.4.2!	
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-	X	Further documents are listed in the	continuation of box
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Patent family members are listed in annex.

- Special categories of clied documents:
- *A* document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date
- "L" document which may show doubts on priority claim(a) or which is olded to establish the publication date of another citation or other special reason (so specified)
- *C* document referring to an oral disclosure, use, exhibition or other means.
- "P" document published prior to the international titing date but later than the priority date claimed

Date of the actual completion of the international search 14 November 2005

Name and mailing address of the ISA European Patent Office, P.B. 5818 Patenthain 2 NL - 2280 HV Pijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax. (+91-70) 340-3016

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to knowe an inventive step when the document is taken alone

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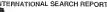
"&" document member of the same patent family Date of mailing of the international search report

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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
COMPLET S	was increased and abbodylate, or me rocadil passages	removem to claim No.
х	US 6 272 597 B1 (FU JOHN WAI CHEONG ET AL) 7 August 2001 (2001-08-07) abstract figures 1.2 column 3, line 56 - column 3, line 61 column 4, line 6 - column 4, line 9 column 4, line 27 - column 6, line 10 column 7, line 41 - column 7, line 43 column 7, line 52 - column 7, line 57	19-34
х	EP 1 215 581 A (TEXAS INSTRUMENTS INCORPORATED; TEXAS INSTRUMENTS FRANCE) 19 June 2002 (2002-06-19) the whole document	19
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	Observations where certain claims were tound unsearchable (Continuation of item 2 of first sheet)
This Inte	amational Search Report has not been established in espect of certain claims under Arisols 17(2)(a) for the following reasons
1.	Chaver Nos.: because hely relate to subject matter not required to be searched by this Aussorthy, memely:
2 🗍	Chains Nos.: because the parts of the international Application that do not comply with the prescribed reculrements to such an extent that no meaningful international Search can be carried out, specifically:
3.	Claims Nos.: because they are dependent distins and are not drafted in accordance with the second and third sentences of Fluie 6.4(s).
Box #i	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inte	ernational Searching Authority found multiple Inventions in this international application, as follows:
	see additional sheet
1. X	As all required udditional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. [As all searchable claims could be searched without effort justifying an additional lice, this Authority did not invite payment of any additional fee.
в. 🔲	As only some of the recylend additional activat fees were timely paid by the applicant, this international Search Report occurrs any three delims for which fees were paid, specifically column Noo:
4. []	No required additional search foce were timely paid by the applicant. Contequently, this international Search Report is resorted to the invention first monitonad in the chains; it is overed by outing Note:

1. claims: 1-18

An integrated circuit comprising:

-a processor core operable to perform data processing for
the integrated circuit;

-a cache memory operable to store data for the processor
core; and
-an on-chip memory operable to store data for the cache
memory,
-wherein the cache memory is filled with data from the
on-chip memory for cache misses, and
-wherein the on-chip memory is filled with data from an
external memory under user control.

2. claims: 19-34

An integrated circuit comprising a cache controller operable to handle memory transactions for a cache memory and a second memory at two different levels of a cached memory system, the cache controller including: -a first address check unit coupled to a first processing unit and operable to determine whether a first memory address for a first memory access by the first processing unit is currently in the cache memory. -a second address check unit coupled to a second processing unit and operable to determine whether a second memory address fort a second memory access by the second processing unit is currently in the cache memory, and -a logic unit coupled to the first and second address check units and operable to handle memory transactions for the first and second memory accesses by the first and second processing units.

Information on patent tamby members

PCT/US2005/008373

CN 1333906 A 30-01-2002 DE 19983859 TO 28-02-2002 GB 2359910 A 05-09-2001 TW 454161 B 11-09-2001								
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